

Run Yang

List of Publications by Year in descending order

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27
papers

554
citations

933447

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29
all docs

29
docs citations

29
times ranked

1042
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical spectroscopy of the Weyl semimetal TaAs. Physical Review B, 2016, 93, .	3.2	146
2	Tracking Ultrafast Photocurrents in the Weyl Semimetal TaAs Using THz Emission Spectroscopy. Physical Review Letters, 2019, 122, 197401.	7.8	76
3	Temperature-tunable Fano resonance induced by strong coupling between Weyl fermions and phonons in TaAs. Nature Communications, 2017, 8, 14933.	12.8	57
4	Magnetization-Induced Band Shift in Ferromagnetic Weyl Semimetal CoMn_3S_2 . Physical Review Letters, 2020, 124, 077403.	7.8	14
5	Substrate doping effects on Raman spectrum of epitaxial graphene on SiC. Journal of Applied Physics, 2010, 107, 034305.	2.5	37
6	Observation of a topological nodal-line semimetal in YbMnSb_2 through optical spectroscopy. Physical Review B, 2019, 100, .	11.2	26
7	Anomalous phonon behavior in superconducting $\text{CaKFe}_4\text{As}_{11}$: An optical study. Physical Review B, 2017, 95, .	10.2	24
8	Spin-flop transition and magnetic phase diagram in CaCo_2Mn by torque measurements. Physical Review B, 2015, 92, .	10.2	12
9	Photocurrent-driven transient symmetry breaking in the Weyl semimetal TaAs. Nature Materials, 2022, 21, 62-66.	27.5	20
10	The correlation of epitaxial graphene properties and morphology of SiC (0001). Journal of Applied Physics, 2014, 115, 043527.	2.5	12
11	Infrared spectroscopic studies of the topological properties in CaMnSb_2 . Physical Review B, 2018, 98, .	11.2	10
12	Electronic correlations in the van der Waals ferromagnet Fe_3S_2 revealed by its charge dynamics. Physical Review B, 2020, 102, .	3.2	10
13	Formation of As-As bond and its effect on absence of superconductivity in the collapsed tetragonal phase of $\text{Ca}_{0.8}\text{Fe}$. An optical spectroscopy study. Physical Review B, 2015, 91, .	3.2	9
14	Observation of an emergent coherent state in the iron-based superconductor KFe_2As_2 . Physical Review B, 2017, 96, .	3.2	9
15	Insulator-quantum Hall conductor transition in high electron density gated InGaAs/InAlAs quantum wells. Journal of Applied Physics, 2010, 108, 063701.	2.5	8
16	Scaling of the Fano Effect of the In-Plane Fe-As Phonon and the Superconducting Critical Temperature in BaKx . Physical Review Letters, 2019, 122, 217002.	7.8	1
17	Direct Observation of Coherent Longitudinal and Shear Acoustic Phonons in TaAs Using Ultrafast X-Ray Diffraction. Physical Review Letters, 2022, 128, 155301.	7.8	7
18	Infrared spectroscopic study on lattice dynamics in CaFeO_3 . Physical Review B, 2017, 95, .	11.2	16

#	ARTICLE	IF	CITATIONS
19	Unravelling the mechanism of the semiconducting-like behavior and its relation to superconductivity in CaFeAs_2 . Physical Review B, 2019, 99, .	3.2	5
20	Evidence for correlation effects in noncentrosymmetric type-II Weyl semimetals. Physical Review B, 2021, 104, .	3.2	5
21	Spin dependence of electron effective masses in InGaAs/InAlAs quantum well. Journal of Applied Physics, 2011, 110, 063707.	2.5	4
22	Optical study of the antiferromagnetic ordered state in electron-overdoped $\text{Ca}_{1-x}\text{La}_x\text{FeAs}_2$. Physical Review B, 2016, 93, .	3.2	0
23	Pressure tuning of the iron-based superconductor $(\text{Ca}_{0.73}\text{La}_{0.27})\text{FeAs}_2$. Physical Review B, 2021, 103, .	3.2	3
24	Hund's superconductor $\text{Li}(\text{Fe},\text{Co})\text{As}$. Physical Review B, 2021, 103, .	3.2	2
25	Ingredients for enhanced thermoelectric power at cryotemperatures in the correlated semiconductor CoSbS revealed by its optical response. Physical Review B, 2021, 103, .	3.2	1
26	Optical study of charge dynamics in CaCo_2As_2 . Chinese Physics B, 2016, 25, 057201.	1.4	0
27	Revealing the pseudogap in $\text{Sr}_{1-x}\text{O}_7$. Physical Review B, 2018, 98, .	3.2	0